



# TTI ENVIRONMENTAL, INC.

Corporate Office

North Pointe Commons • 9 East Stow Road • Marlton, New Jersey 08053-3159  
TEL (609) 985-8800 • FAX (609) 985-9200

March 11, 1998

Mr. Ronald J. Wienckoski, Jr.  
Bureau of Field Operations  
New Jersey Department of Environmental Protection  
Department of Responsible Party Site Remediation  
ISRA Initial Notice  
P.O. Box 028  
401 East State Street, 5th Floor  
Trenton, NJ 08625

Reference: Preliminary Assessment Report  
Barry Bronze Bearing Co.  
2204 South 7th Street  
Camden, New Jersey  
TTI Project No. 97-375

Dear Mr. Wienckoski:

Enclosed please find an original executed Preliminary Assessment Report pertaining to the above referenced project. Also enclosed is a check in the amount of \$100.00 for the GIN review fee.

If you should have any questions or require additional information, please feel free to contact us at any time.

Sincerely,

TTI ENVIRONMENTAL, INC.

R. Timothy Popp  
Senior Environmental Project Manager

RTP;jah

Enclosures

C: Paul DeCoursey - Barry Bronze Bearing Co.

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2-19	11584								100 00				Treasurer-State of N.J.
DATE	CHECK NO.	GROSS AMOUNT		✓	OTHER DEDUCTIONS	% DISC.	DISCOUNT	NET CHECK					N A M E

DETACH STUBS BEFORE DEPOSITING

BARRY BRONZE BEARING COMPANY

**BARRY BRONZE BEARING COMPANY**

P.O. BOX 1506  
CAMDEN, NJ 08104-1506

11584

PNC BANK, N.A.  
NEW JERSEY

55-760  
312

PAY \_\_\_\_\_ DATE Feb. 19, 1998 \$ 100.00

TO THE  
ORDER  
OF

Treasurer-State of New Jersey

*Paul H. Canagys*

⑈011584⑈ ⑆031207607⑆ 8000310013⑈

THIS CHECK IS IN  
PAYMENT OF THE  
FOLLOWING INVOICES

REF.	AMOUNT
TOTAL	

DETACH BEFORE CASHING

BARRY BRONZE BEARING COMPANY  
P.O. BOX 1506  
CAMDEN, NJ 08104-1506

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY  
DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION  
CN 028, TRENTON, NJ 08625-0028

**PRELIMINARY ASSESSMENT REPORT**

Please refer to the instructions and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E-3.1 through 3.2, before completing this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Site Remediation Program. Submitting incorrect or insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

PLEASE PRINT OR TYPE

Date November 6, 1997

INDUSTRIAL ESTABLISHMENT/SITE NAME: Barry Bronze Bearing Co.

ADDRESS: 2204 South 7<sup>th</sup> Street

CITY/TOWN: Camden

ZIP: 08104

MUNICIPALITY: Camden

COUNTY: Camden

LOT(s): 1 BLOCK(s): 604

SITE REMEDIATION PROGRAM CASE NUMBER OR EPA IDENTIFICATION NUMBER

1. Operational and Ownership History from the time the site was naturally vegetated or used as farmland. (Attach additional sheets if necessary).

NAME	OWNER/OPERATOR	FROM	TO
Barry Bronze Bearing Co.	Decoursey's	1961	Present
Stanley S. Cramer		1929	1929

Revision No: \_\_\_\_\_

Revision Date: \_\_\_\_\_

- 2A. Provide a brief description of the past operation(s) (e.g., industrial/commercial) conducted on site by each owner and operator (Attach additional sheets if necessary).

Mr. Stanley Cramer operated out of the north ern half of the foundry section of the building from approximately the early 1930s to 1950s. The operations included the assembly of various aluminum components and radio condensers.

- 2B. Include a detailed description of the most recent operations subject to this preliminary assessment (Attach additional sheets if necessary).

ATTACHMENT 2B

3. Hazardous Substance/Waste Inventory: List all raw materials, finished products, formulations and hazardous substances, hazardous wastes, hazardous constituents and pollutants, including intermediates and by-products that are or were historically present on the site (Attach additional sheets if necessary).

MATERIAL NAME	TYPICAL ANNUAL USAGE	STORAGE METHOD/ CONTAINER TYPE/SIZE	LOCATION REFERENCE KEYED TO SITE MAP	TO REMAIN ON SITE? IF YES, INDICATE QUANTITY
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ATTACHMENT 3

Revision No.: \_\_\_\_\_

Revision Date: \_\_\_\_\_

4. Summary of Wastewater Discharges of Sanitary and/or Industrial Waste and/or sanitary sludges: present and past production processes, including dates and their respective water use shall be identified and evaluated, including ultimate and potential discharge and disposal points and how and where materials are or were received on-site. All discharges and disposal points shall be clearly depicted on a scaled site map.

- A. Provide a narrative of disposal processes for all process waste streams and disposal points (Attach additional sheets if necessary).

Domestic sewer waste enters the city sewer system handled by Camden County Municipal Utilities Authority.

Regular solid waste/trash is removed by a contractor. All used form sands and slag material have been stored on-site in 55-gallon drums and used to fill depressions along building and railroad tracks.

- B. Discharge Period:

FROM	TO	DISCHARGE TYPE & QUANTITY, IF KNOWN	DISCHARGE/DISPOSAL POINT

5. Indicated if any of the potential areas of concern listed below in #5A through #5F, as defined in N.J.A.C. 7:26E-1.8, formerly or currently exist at the industrial establishment by indicating Yes or No in the appropriate space as provided.

In accordance with N.J.A.C. 7:26E-3.1(c)1.v., a narrative shall be provided for each area of environmental concern describing the (A) Type; (B) Age; (C) Dimensions of each containers/area; (D) Chemical Content; (E) Volume, (F) Construction materials; (G) Location; (H) Integrity (i.e. tank test reports, Department-approved leak detection systems, pursuant to N.J.A.C. 7:1E or 7:14B, has always been in place and there is no discharge history. If sampling is not proposed for any identified area of environmental concern, please explain why it is believed that the area of environmental concern does not contain contaminants above the applicable remediation standards. Submit all necessary documentation to verify this belief. The required narrative need not describe the sampling to be completed; however, it should state that sampling will be completed in accordance with the appropriate section of N.J.A.C. 7:26E. Detailed descriptions of all remediation activities shall be described in the site investigation report in accordance with N.J.A.C. 7:26E-3.10. Note: If the industrial establishment has multiple locations for one type of area of concern (example: underground storage tanks are located in 3 separate areas of the facility), each area must be discussed separately.

I hereby certify that a diligent inquiry (\*) has been conducted to identify all current and historical potential areas of concern and based on the diligent inquiry the area of concern identified below in question 5A through 5F are the only areas of concern believed to exist at the above referenced industrial establishment.

(\*) See the definition of diligent inquiry in the directions for questions #5 provided with this Preliminary Assessment form.

AREA OF CONCERN	CURRENTLY/FORMERLY EXISTS AT FACILITY YES/NO	LOCATION REFERENCE KEYED TO SITE MAP	SAMPLING PROPOSED YES/NO	NARRATIVE <sup>1</sup> PROVIDED TO SUPPORT PROPOSAL YES/NO
<b>A. Bulk storage tanks and appurtenances, including, without limitation:</b>				
ASTs and associated piping	Y	A	N	Y
USTs and associated piping	Y	F	N	Y
Silos	N			
Rail Spurs or Sidings	N			
Above or below ground pump stations	Y	A	Y	Y
Sumps	N			
Pits	Y	B	Y	Y
Rail/Truck loading and unloading areas	N			
Storage pads and areas including Drum and/or waste storage	Y	C	Y	Y
Surface lagoons and impoundments	N			
Dumpsters	Y		N	Y
Chemical Storage cabinets or closets	Y		N	Y
<b>B. Drainage systems and areas, including, without limitation:</b>				
Floor drains or trenches and piping	N			
Process area sinks and piping which receive process waste	N			
Roof leaders when process operations vent to roof	Y		N	Y
1: Narratives are provided as Attachment 5				

Revision No: \_\_\_\_\_

Revision Date: \_\_\_\_\_

AREA OF CONCERN	CURRENTLY/FORMERLY EXISTS AT FACILITY YES/NO	LOCATION REFERENCE KEYED TO SITE MAP	SAMPLING PROPOSED YES/NO	NARRATIVE <sup>1</sup> PROVIDED TO SUPPORT PROPOSAL YES/NO
Drainage swales and culverts	N			
Storm sewer collection systems	Y		N	N
Storm water detention ponds & fire water ponds	N			
Surface water bodies	N			
Septic systems, leachfields or seepage pits	N			
Dry wells	N			
<b>C. Discharge and disposal areas, including, without limitation:</b>				
Waste piles	Y	D	Y	Y
Landfills or landfarms	N			
Sprayfields	N			
Incinerators	N			
Open Pipe Discharges	N			
<b>D. Other areas of concern, including, without limitation:</b>				
Electrical Transformers and capacitors	Y		N	N
Areas of stressed vegetation	N			
Underground piping, including industrial process sewers	N			
Compressor vent discharges	Y	E	N	Y
Non-contact cooling water discharges	N			
Discolored areas or spill areas	Y	E	Y	Y
1: Narratives are provided as Attachment 5				

Revision No: \_\_\_\_\_

Revision Date: \_\_\_\_\_

AREA OF CONCERN	CURRENTLY/FORMERLY EXISTS AT FACILITY YES/NO	LOCATION REFERENCE KEYED TO SITE MAP	SAMPLING PROPOSED YES/NO	NARRATIVE <sup>1</sup> PROVIDED TO SUPPORT PROPOSAL YES/NO
Active or inactive production wells	N			
<b>E. Building interior areas with a potential for discharge to the environment, including, without limitation:</b>				
Loading or transfer areas	N			
Waste Treatment areas	N			
Boiler rooms	Y		N	N
Air vents and ducts	Y		N	N
Hazardous material storage or handling areas	Y		N	Y
<b>F. Any other site specific area of concern</b>				
Bag House	Y	C	Y	Y
Foundry Furnace	Y	B	Y	Y
Dust on Surfaces	Y	throughout facility	Y	Y
Suspected Asbestos Building Materials	Y	throughout facility	Y	Y

## 6. Protectiveness of past remedies, Order of Magnitude Analysis

- A. Have any areas of environmental concern previously received a No-Further-Action approval from the Department of other equivalent government agency for which no additional remediation is proposed? **Yes X No**. If no, go to question # 7. if yes, complete B.
- B. In accordance with N.J.S.A 58:10B-13(e) the following evaluation of the protectiveness of past remedies shall be completed for all areas of environmental concern for which no further action was previously approved by the Department or other equivalent government agency and for which no additional remediation is proposed. All final sampling results shall be evaluated to determine if contaminant levels remaining on site are in compliance with current remediation standards. The applicant shall determine:
- i. if contaminant levels remaining on site are greater than the current clean-up criteria by an order of magnitude (factor of 10) or more by tabulating all sampling results, including sample location, sample media, field and laboratory identification numbers and method detection limits, as necessary, and analytical results for all individual contaminants; and
  - ii. compare each contaminant result to the current remediation criteria.

Revision No.: \_\_\_\_\_

Revision Date: \_\_\_\_\_



I hereby certify that the order of magnitude analysis required pursuant to N.J.S.A. 58:10B-13(e) has been completed, since the issuance of a No-Further-Action approval, negative declaration approval or equivalent remediation approval; and

Based on the order of magnitude analysis there has been no discharge of a hazardous substance or hazardous waste, subsequent to the issuance of a No-Further-Action approval, negative declaration approval or equivalent remediation approval at the areas of environmental concern listed below and no levels of contamination remain which exceed the current applicable clean-up criteria by more than an order of magnitude.

Please list the areas of concern for which the previous certification applies.

Area of Concern	Location Reference Keyed to Site Map	Area of Concern	Location Reference Keyed to Site Map
1. Underground Storage Tank (Abandoned)	F	9.	
2.		10.	
3.		11.	
4.		12.	
5.		13.	
6.		14.	
7.		15.	
8.		16.	

**7. Historical Data on environmental quality at the Industrial Establishment**

- A. Have any previous sampling results documenting environmental quality of the Industrial Establishment not received a no further action approval from the Department or been denied approval by the Department?

\_\_\_\_\_ Yes (See Attachment # \_\_\_\_\_)        X   No

- B. Have there been any known changes in site conditions or new information developed since completion of previous sampling or remediation? If sampling results were obtained, but are not part of this application, please explain below:

None

**8. Discharge History of Hazardous Substances and Wastes:**

A. Have there been any discharges of hazardous substance and wastes?

\_\_\_\_ Yes (Complete Items B-E)   X   NO

B. Was the Department notified of the discharge?

\_\_\_\_ YES \_\_\_\_ NO (Go to item 9D)

If yes, provide the case # \_\_\_\_\_

C. Was a No Further Action letter, Negative Declaration approval or full-compliance letter issued as a result of the clean-up of this discharge?

\_\_\_\_ YES (Submit a copy and go to item 9E) \_\_\_\_ NO

D. Were sampling results obtained?

\_\_\_\_ YES \_\_\_\_ NO

If yes, submit the results

E. Provide a description of the discharge and the response and resolution.

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**9. Aerial photographic interpretation for sites larger than two (2) acres from 1932 to present or to the earliest photograph available. Note: You are not required to submit copies of aerial photographs only an interpretation of what was observed during the review. (Attach additional sheets if necessary)**

See Attachment - Item 9

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Revision No: \_\_\_\_\_

Revision Date: \_\_\_\_\_

10. List all federal, state and local environmental permits at this facility, including permits for all previous and current owners or operators, applied for, received or both (attached additional sheets if necessary).

Check here if no permits are involved \_\_\_\_\_

A. New Jersey Air Pollution Control

PERMIT NO.	CERTIFICATE NO.	DATA OF APPROVAL OR DENIAL	REASON FOR DENIAL (if applicable)	EXPIRATION DATE
50122-003	023372	2-25-82		2-25-97
50122-004	023371	2-25-82		2-25-97
See Attachments				

B. Underground Storage Tank Registration No.: 0224435 Delisted

C. New Jersey Pollutant Discharge Elimination System (NJPDES) Permit

N/A

PERMIT NO.	DISCHARGE ACTIVITY	DATE ISSUED/DENIED	EXPIRATION DATE	BODY OF WATER DISCHARGED INTO

D. Resource Conservation and Recovery Act (RCRA) Permit No.: N/A

E. All other federal, state, local government permits.

AGENCY ISSUING PERMIT	PERMIT NO.	TYPE OF PERMIT	DATE OF APPROVAL/DENIAL	EXPIRATION DATE

11. **Summary of enforcement actions (including but not limited to, Notice of Violations, Court Orders, official notices or directives) for violations of environmental laws or regulations (Attach additional sheets if necessary):**

A. Check here if no enforcement actions were involved  X .

B. (1) Name and address of agency that initiated the enforcement action:

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(2) Date of the enforcement action \_\_\_\_\_

(3) Section of statute, rule or permit allegedly violated:

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(4) Type of enforcement action: \_\_\_\_\_

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(5) Description of the violation:

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(6) How was the violation resolved?

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**12. Site Map**

- A. In accordance with N.J.A.C. 7:26E-3.2(a)3.i, submit a scaled site plan, detailing the subject lot and block, property and/or leasehold boundaries, location of current and former buildings, fill areas, paved and unpaved areas, vegetated areas and all areas of concern identified above and all active or inactive wells.
- B. Scaled historical site maps and facility as-built drawings (if available).
- C. A copy of the U.S.G.S. 7.5 minute topographical quadrangle that includes the site and an area of at least one mile radius around the site. The facility location shall be clearly noted. If a portion of the USGS is used, the scale, north arrow, contour interval, longitude and latitude with the name and date of the USGS quadrangle shall be noted on the map.

**13. List any other information you are submitting or which has been formerly requested by the Department:**

DESCRIPTION	ATTACHMENT
<hr/>	<hr/>
<hr/>	<hr/>
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**CERTIFICATIONS:**

- A. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed Name Paul J. DeConvey, Jr. Title Vice President  
Signature Paul J. DeConvey, Jr. Date 11/6/97  
Sworn to and Subscribed Before Me on this sixth  
Date of November 1997

Janet M. Ambrose  
Notary

JANET M. AMBROSE  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 4/11/2002

- B. The following certification shall be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official.
4. For persons other than 1 through 3 above, by the person with legal responsibility for the site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiries of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed Name Paul J. DeConvey, Jr. Title Vice President  
Signature Paul J. DeConvey, Jr. Date 11/6/97  
Sworn to and Subscribed Before Me on this sixth  
Date of November 1997

Janet M. Ambrose  
Notary

JANET M. AMBROSE  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 4/11/2002

**ATTACHMENT 1G**

NFA Letter



## State of New Jersey

DEPARTMENT OF ENVIRONMENTAL  
PROTECTION AND ENERGY  
Bureau of Field Operations  
Underground Storage Tanks Unit  
CN-028  
401 East State Street  
Trenton, NJ 08625

CHRISTINE TODD WHITMAN  
Governor

ROBERT C. SHINN, JR.  
Commissioner

C.J. DeCoursey  
Barry Bronze Bearing Company  
7th & Bulson Streets  
Camden, New Jersey 08101-1506

OCT 4 - 1994

Re: Barry Bronze Bearing Company  
7th & Bulson Streets, Camden, Camden County  
Closure # C94-0252  
UST # 0224435

Dear Mr. DeCoursey:

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (Department) and duly delegated to the Bureau Chief of the Bureau of Field Operations pursuant to the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 et seq. and implementing regulations, N.J.A.C. 7:14B et seq., the referenced No Further Action (NFA) proposal for the below referenced area(s) of concern (AOCs) is hereby **approved**. This closure consisted of the abandonment in place of one 6,000 gallon #2 fuel oil UST and all associated piping. The results of the soil analysis indicated contaminant levels were below the cleanup standards developed for this site. Groundwater was not encountered during this closure.

This approval is based on the information provided to the Department concerning the satisfactory completion of the Site Investigation Report received on June 28, 1994 in accordance with the Technical Requirements for Site Remediation (N.J.A.C. 7:26E).

This approval shall be limited only to the above referenced AOC(s), the condition of such areas as of the date of this letter, and shall not be construed to address any other areas of the site. This NFA Approval Letter shall not restrict or prohibit the Department or any other agency from taking regulatory action under any other statute, rule or regulation. By issuing this NFA Approval Letter, the Department reserves its right to pursue any penalties allowable under the law for violations pursuant to the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 et seq. and implementing regulations, N.J.A.C. 7:14B et seq., or any other statute, rule or regulation.

Sincerely,

Mike Tompkins, Chief  
Bureau of Field Operations

c. Vincent S. Krisak, Section Chief



## **ATTACHMENT - ITEM 2B**

Bronze alloy ingots of quality bearing material are melted in a silicon carbide crucible situated in circular furnaces lined with fire brick. Temperatures can reach 2,000 degrees Fahrenheit in this vessel which is heated by ignited No. 2 fuel oil surrounding it, forced in this configuration by high velocity turbine type air blowers.

While this procedure is taking place, molds are being prepared at molding stations. A pattern for the shape of casting desired is placed inside of a steel container called a flask and is covered with a combination of natural sands, depending on the casting size and weight. When the mold is completed, the pattern is removed. This leaves a void in the mold which is filled with molten metal when the pouring operation is activated. This is accomplished by removing the furnace cover, placing tongs over the crucible which is lifted from the furnace by an overhead crane operation. When the crucible reaches the pouring station, the operator uses the handles on the tongs to force the crucible into pouring position and the molten metal flows into the mold.

Upon cooling, the molds are dumped in the pouring area so that the sand can be reclaimed. Castings are taken to the cleaning area where feed grates and cooling risers are removed by an electric powered cut off wheel. Small fins are taken off with a cold chisel. Final cleaning is accomplished in the steel shot blast machine which has an unending steel slatted rotation, continually tumbling the castings as they are blasted with the shot. This operation is timed so that no erosion of the casting occurs. When the castings are finished they are removed, marked and packaged for shipment.

### ATTACHMENT - ITEM 3

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To Remain On-Site
Air Compressor Oil	10 gallon	5 gallon plastic	office storage	No
Washing Soap	10 gallon	3 gallon plastic	wash room	No
Unknown Oil	Unknown	500 ml plastic	cleaning room	No
Latex Paint	Unknown	(6) 1-gallon aluminum	office storage	No
Furnace Patching Cement	Unknown	30 gallon cardboard	core room	No
Sand & Slag Metal	waste product	(175) 55-gallon steel drums	C	Pending
Used Form Sand	20 ton (est.)	throughout foundry	foundry	Pending
Roof Cement	10 gallon	5 gallon plastic	foundry	No
Lime	40 lbs	20 lbs bags	P/M storage	No
Alcohol Solvent	60 gallons	30 gallon	P/M storage	No
Sodium Silicate Binder	110 gallons	55 gallon steel	P/M storage	No
Paint Thinner	3 gallon	3 gallon steel	P/M storage	No
High Temperature Grease	10 gallon	55 gallon Steel	P/M storage	No
Bonding Agent	1 gallon	5 gallon steel	core room	No
Isopropyl Alcohol	10 gallons	55 gallon steel	P/M storage	No
No. 2 Heating Oil	Unknown	4,000 gallon AST	A	Yes

## ATTACHMENT 5

### Aboveground Tank and Pump Station

Map Key A

Located along the southwest section of the foundry portion of the building is a No. 2 oil fuel pump which is utilized to supply the furnace with fuel. During the site inspection, this area revealed the presence of surface soil staining which appeared to be impacted from the No. 2 oil pump. TTI proposes to conduct a remediation of the stained soil and perform post excavation soil sampling to document the remedial activity.

### USTs and Piping

Map Key F

An abandoned No. 2 oil UST is located partially under the storage room building. The closure of this UST received NJDEP approval on October 4, 1994.

### Foundry Furnace Pit

Map Key B

Located along the southern section of the foundry portion of the building is a furnace pit which was utilized to heat the bronze. Based on the use of this pit, TTI proposes to conduct soil sampling and analysis to investigate the bottom of the pit. Potential contaminants include No. 2 oil and metals.

### Drum Storage

Map Key C

Located throughout the foundry section of the building is approximately 175 55-gallon drums which contain used foundry sand and metal slag. Based on the former use of this material, TTI proposes composite sampling and analysis in accordance with NJDEP Waste Classification Requirements.

### Dumpsters

Map Key - None

The dumpsters were located along the western section of the property and showed no signs of concern. TTI does not propose any sampling.

### Waste Piles

Map Key D

The foundry section of the building contains a partial concrete pad which extends from the north section to the south approximately one-half (1/2) way. The remainder is a dirt floor covered by used foundry sand throughout this section of the building. TTI proposes to conduct sampling and analysis of soils in this area to investigate for environmental impact. Potential contaminants include petroleum hydrocarbons and metals.

### Bag House

Map Key G

The bag house is located along the northeast section of the building and was utilized for the collection of dust from the sand blasting machine. TTI proposes to collect soil samples for analysis around the floor of the bag house. Potential contaminants include metals.

### Compressor/Spill Area

Map Key E

There are two (2) air compressors located at the subject property. One (1) air compressor is located in a room off of the foundry section of the building. The other air compressor is located in the cleaning room. The air compressor in the cleaning room was observed to have an oil discharge to the concrete floor. TTI proposes to conduct a clean-up of the discharged oil. Because no evidence of cracks in the foundation was observed and no foundation joints were impacted, TTI does not propose any sampling.

Hazardous Material Storage

Map Key - None

An inventory of all material contained at the subject property is contained in Attachment - Item 3. All materials will be consolidated and properly disposed.

Dust on Surfaces

Map Key - None

The operations of the subject property as a foundry caused the spread of dust throughout the subject building. TTI proposes to collect wipe samples throughout the interior of the building.

Suspected Asbestos Building Material

Map Key - None

Some materials observed during the site inspection were suspected to contain Asbestos. TTI proposes that an Asbestos Survey be conducted and an evaluation of suspected asbestos materials be assessed for abatement and/or operation and maintenance.

Roof Leaders

Map Key - None

All roof leaders are directed into underground piping which discharges to the city stormwater system. TTI does not propose any sampling.

## ATTACHMENT - ITEM 9

TTI performed an aerial photograph review of the subject site on September 30, 1997, as a means to document land use changes to the subject property and adjacent properties as well as potential areas of environmental concern. The aerial photographs reviewed by TTI are maintained by the New Jersey Department of Environmental Protection (NJDEP) Tidelands Management Program and were viewed with a zoom stereoscope supplied by the Department. As such, copies of the aerial photographs are not available. TTI reviewed aerial photographs corresponding to the years 1940, 1946, 1951, 1957, 1962, 1965, 1978, 1979 and 1991.

The 1940 and 1946 aerial photographs depict the boundaries of the property to be half the size observed during TTI's site inspection. The subject property is improved with one (1) building structure located along the northern section of the property and appears to consist of the foundry section of the building. The surrounding ground appeared to consist of asphalt cover and was utilized as a parking lot. The southern section of the subject property is occupied by residential row homes.

The 1951 aerial photograph depicted the subject property to be improved with an addition to the foundry building. The addition was added to the northwestern section of the building and appears to be the current office section of the building. The remainder of the subject property appeared similar to the 1940 aerial photograph.

The 1957, 1962 and 1965 aerial photographs depicted the subject site to be similar to the 1951 aerial photograph.

The 1978 aerial photograph depicted the property to be improved with an addition to the southern section of the property. The residential row homes have been removed and the building occupies the space along with a paved parking lot. One residential home remains along the southeast section of the subject property.

The 1979 aerial photograph depicted the subject site to be similar to the 1978 aerial photograph.

The 1991 aerial photograph depicted the subject property to be similar to what was observed during TTI's site inspection.

**ATTACHMENT - ITEM 10**

NJDEP Air Permits



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

INVOICE NO.  
960965940

16123

CERTIFICATE TO OPERATE APPARATUS/EQUIPMENT  
RENEWAL INVOICE

Plant Stack ID	Type of Notice	Billing Date	Due Date	Amount Due
50122-003	RENEWAL	08/13/96	11/26/96	\$ 250.00

**KEEP THIS PORTION FOR YOUR RECORDS**

PLEASE NOTE: Failure to pay this fee is a violation of N.J.A.C. 7:27A-3.8  
Violators may be subject to civil penalties in accordance with N.J.A.C. 7:27A-3.

pd 11/25/96  
ck #10925

CERTIFICATE NUMBER	REGISTRATION PERIOD	FACILITY BILLED	OTHER
023372	02/25/82 - 02/25/97	7TH & BULSON STS CAMDEN CITY	NJ Stack # 003 # of Stacks 001 # of Sources 01 Approval Date 07/30/76
APPLICANT'S DESIGNATION OF EQUIPMENT: RADIAL FAN NO 1			
MESSAGES:			
<b>REMINDER:</b> <ul style="list-style-type: none"> <li>- Please write the Plant Stack ID INVOICE NO. on your check or money order.</li> <li>- Return the BOTTOM PORTION of this INVOICE with your PAYMENT via the enclosed envelope.</li> <li>- If there are changes to your Mailing Name or Address, send your payment to the Bureau of Revenue and notify your Regional office shown on the back of the Expiration Notice.</li> </ul>			

INVOICE NO.  
960965940



NEW JERSEY STATE DEPARTMENT

OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY  
AIR POLLUTION CONTROL PROGRAM**All Correspondence must indicate your APC PLANT ID NUMBER**

Certificate Number 023372

APC PLANT ID 30122

(Mailing Address)

(Plant Location)

BARRY BRONZE BEARING COMPANY  
PO BOX 1506  
CAMDEN NJ 081017TH & BULSON STS  
CAMDEN CITYApplicant's Designation of Equipment RADIAL FAN NO 1  
N.J. Stack No. 003 No. of Stacks 001  
Approval 07/30/75 Effective 02/25/82No. of Sources 01  
**Expiration** 02/25/97**CERTIFICATE TO OPERATE CONTROL APPARATUS/EQUIPMENT (EXPIRATION NOTICE)**

TO RENEW THIS CERTIFICATE, REFER TO THE OTHER SIDE FOR THE CATEGORY DESCRIPTIONS TO DETERMINE THE CATEGORY OF EQUIPMENT COVERED BY THIS CERTIFICATE. IF BOTH CATEGORIES ARE COVERED, THE CATEGORY II FEE APPLIES. MARK THE APPROPRIATE BOX AND SUBMIT THE YELLOW COPY (SIGNED AND DATED) ALONG WITH THE ENCLOSED PAYMENT CARD AND FEE (CERTIFIED CHECK OR MONEY ORDER) PAYABLE TO TREASURER, STATE OF NEW JERSEY, AT LEAST 90 DAYS BEFORE EXPIRATION. MAIL TO: N.J.D.E.P. - BUREAU OF REVENUE

CN 402, TRENTON, NJ 08625

IF YOU FAIL TO PAY A FEE, PURSUANT TO N.J.A.C. 7:27A-3.8 YOU MAY BE ASSESSED DAILY CIVIL ADMINISTRATIVE PENALTIES IN AN AMOUNT EQUAL TO THE UNPAID FEE TO A MAXIMUM OF \$10,000 (1ST OFFENSE), TWO TIMES THE UNPAID FEE TO A MAXIMUM OF \$25,000 (2ND OFFENSE) AND THREE TIMES THE UNPAID FEE TO A MAXIMUM OF \$50,000 (3RD & SUBSEQUENT OFFENSES). ALSO, PURSUANT TO N.J.A.C. 7:27-8.10(A)6, YOUR CERTIFICATE MAY BE REVOKED IF YOU FAIL TO PAY A FEE. PURSUANT TO N.J.A.C. 7:27A-3, YOU MAY ALSO BE ASSESSED DAILY CIVIL ADMINISTRATIVE PENALTIES IF YOU OPERATE THE EQUIPMENT BEYOND THE EXPIRATION DATE WITHOUT OBTAINING A RENEWAL. TO TERMINATE THIS CERTIFICATE, MARK THE APPROPRIATE BOX AND RETURN THE YELLOW COPY (SIGNED AND DATED). KEEP THE WHITE COPY FOR YOUR RECORDS.

☒ CATEGORY I EQUIPMENT  
☒ \$250 FEE ENCLOSED

☐ CATEGORY II EQUIPMENT  
☐ \$500 FEE ENCLOSED

☐ TERMINATE CERTIFICATE (SEE OTHER SIDE FOR EMISSIONS BANKING)
SIGNATURE *Lucretia J. Delaney* TITLE Gen. Manager DATE 11-25-96

TRANS. IN ACT. TYPE IN TIME UNITS 01010131 TR. NO. 111111

FEE 11111 ACT. DATE 11111111 PERS. CODE 919191 NOT. LETTER 111

Approved by: *Maria Salamandra*





## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

INVOICE NO.  
960965950CERTIFICATE TO OPERATE APPARATUS/EQUIPMENT  
RENEWAL INVOICE

Plant Stack ID	Type of Notice	Billing Date	Due Date	Amount Due
50122-004	RENEWAL	08/13/96	11/26/96	\$ 250.00

**KEEP THIS PORTION FOR YOUR RECORDS**

*PLEASE NOTE: Failure to pay this fee is a violation of N.J.A.C. 7:27A-3.8  
Violators may be subject to civil penalties in accordance with N.J.A.C. 7:27A-3.*

CERTIFICATE NUMBER	REGISTRATION PERIOD	FACILITY BILLED	OTHER
023371	02/25/82 - 02/25/97	7TH & BULSON STS CAMDEN CITY	NJ Stack # 004 # of Stacks 001 # of Sources 01 Approval Date 07/30/76
APPLICANT'S DESIGNATION OF EQUIPMENT: RADIAL FAN NO 2			
MESSAGES:			
REMINDER: - Please write the Plant Stack ID INVOICE NO. on your check or money order. - Return the BOTTOM PORTION of this INVOICE with your PAYMENT via the enclosed envelope. - If there are changes to your Mailing Name or Address, send your payment to the Bureau of Revenue and notify your Regional office shown on the back of the Expiration Notice.			

INVOICE NO.  
960965950

DEP55F R11/94